



## DEPARTMENT OF GENERAL SERVICES

Isiah Leggett  
*County Executive*

David E. Dise  
*Director*

May 10, 2013

To: Isiah Leggett, County Executive  
Nancy Navarro, Council President

From: David Dise, Director 

Subject: Progress Update – Remediation of Defects at Silver Spring Transit Center

As you are aware, in the ongoing effort to expedite planning, design and construction of remediation measures at the Silver Spring Transit Center (SSTC), the Department of General Services conducted a kickoff meeting on April 25, 2013 to which all key participants in the SSTC project were invited. Thirty-nine attendees representing Montgomery County, FTA, MTA, Parsons Brinkerhoff (PB), KCE and Foulger Pratt (FP), and their respective consultants and subcontractors agreed to work aggressively and collaboratively to arrive at a plan that would result in the SSTC meeting the design and operational objectives and standards outlined in the project documents. WMATA did not participate in the April 25<sup>th</sup> meeting but has sent representatives to subsequent meetings.

At the kickoff meeting it was agreed that a smaller working group of engineering and structural experts with stakeholder representatives should continue to work on detail matters. This Cooperative Remediation Working Group (CRWG) met immediately after the kickoff meeting and has been meeting weekly since. CRWG participants include Montgomery County Government, Foulger Pratt (FPC) and its concrete subcontractor Facchina Construction, Parsons Brinckerhoff (PB), KCE and its sub-consultants, WMATA, and MTA. Meetings began immediately following the April 25, 2013 kickoff and have been held weekly thereafter, on May 2<sup>nd</sup> and May 9<sup>th</sup>. Weekly meetings will continue through the design and planning process and periodically through the remediation construction.

The CRWG is focusing on remediation planning, design and construction scheduling in four categories; two pour strips on the SSTC middle level (the 330 level), overlay of the 330 and 350 levels, column repairs, and beam and girder repair/reinforcement. In addition the CRWG is investigating requirements for a possible fire protection category change. This and subsequent updates will summarize progress in these key areas.

### Pour Strip Repairs

- Consensus determination is to repair pour strips in-place without demolition due to conduit and beam interference that could prolong repair and compound difficulty
- Three pour strip remediation options have been discussed in detail
- FP concrete subcontractor, Facchina Construction, cut a 12"x12" exploratory pit in the east pour strip and determined 4" depth is available without impacting conduits
- PB is creating pour strip construction documents that will be finalized by May 14, 2013
- CRWG will finalize selection on May 16, 2013

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#### Overlay on 330 and 350 Levels

- A detailed review of bonded vs. unbonded overlay systems and resulting modifications to the structure has been conducted
- Curb height limitation was discussed: WMATA approval is needed to reduce from 6”
- Consensus that overlay is not intended for structural purposes but to eliminate water and salt penetration thru the slab while ensuring sufficient coverage of reinforcing members

#### Column Repairs

- Column repairs: more data needed on out-of-tolerance columns; PB to provide

#### Beam and Girder Repairs

- Design calculations need further review to identify deficient members
- Consensus that pour strip beams have adequate strength but others need more evaluation

#### Fire Protection Category Change

- KCE and its fire protection consultant met with DPS to explore feasibility of a fire protection category change. Preliminary findings should be known in May but it appears that approval could take 1 to 3 months.

#### General

- WMATA’s role in the process was discussed: asked to support fast-track process
- WMATA will provide the CRWG a list of its concerns
- An updated survey is planned to determine any change in the crack survey performed by KCE. This will help guide determination of the preferred overlay system.
- All remediation work/design will be based on the baseline results & recommendations of the KCE March 15, 2013 report

cc: Roger Berliner, Chair, T&E Committee  
Tim Firestine, Chief Administrative Officer